

Attorney Docket No. SAM-0425
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450

Alexa	ndria, Virg	inia 22313-1450 NEW APPLICATION	TRANSMITTAL			
Trans	mitted here	ewith for filing is the patent application of				
Inven	tor(s):	Duk-ha Park and Hi-choon Lee				
For (title):		SEMICONDUCTOR MEMORY DEVICE HAVING IMPROVED REDUNDANCY SCHEME	CERTIFICATE OF MAILING 37 C.F.R. § 1.10 "Express Mail" Mailing Label Number EV322657755US I hereby certify that this paper or fee is being deposited with the			
1.	Type of a(n)	f Application This new application is for	United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.			
	_	inal (nonprovisional)	Date: 7-01-03 Christopher Hren			
	Desi		CHRISTOPAER HREN			
		Plant	Print Name			
	□ Div					
		itinuation.				
	☐ Con	tinuation-in-part (C-I-P).				
2. I	Benefit of 1	Prior Application(s)				
	☑ The See Ite	••	benefit of prior Korean application no. <u>02-54257.</u>			
3.	Papers E	nclosed				
	8	_ Pages of specification				
	2	_Pages of claims				
	1	_ Page of Abstract				
	3					
		⊠ formal				
		informal				
	P	age of Cover Sheet				
		osed drawing(s) are photograph(s), and there GRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.8				

4.	Addit	Additional papers enclosed					
		Preliminary A	Amendment				
		Information 1	Disclosure Statement (37 C.F.R. 1.98)				
		Form PTO-14	449 (PTO/SB/08A and 08B)				
		Copies of cite	ed references				
		Declaration o	f Biological Deposit				
		•					
		Authorization	n of Attorney(s) to Accept and Follow Instructions from Representative				
		Special Com	ments				
	\boxtimes	Other: Return	n Postcard.				
5.	Dec	laration or oa	th				
	×	Enclosed					
		Unexecu	uted				
			d by				
		\boxtimes	inventors				
			legal representative of inventor(s). 37 CFR 1.42 or 1.43.				
			joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.				
			This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 12 below for fee.				
		Not Enclosed	1				
		Application is inventor(s).	s made by a person authorized under 37 C.F.R. 1.41 (c) on behalf of all the above named				
			Showing that the filing is authorized.				
6.	Assig	nment					
	\boxtimes	An assignmen	at of the invention to Samsung Electronics Co., Ltd				
		is attache ACCOM will follo	ed. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) IPANYING NEW PATENT APPLICATION" or ☑ FORM PTO 1595 is also attached. ow.				

7. Certified Copy

Certified copy(ies) of application(s)

02-54257	September 9, 2002	
Appln. no.	Filed	
Appln. no.	Filed	
Appln. no.	Filed	
	Appln. no.	Appln. no. Filed Appln. no. Filed

from which priority is claimed

is (are) attached.

 \square will follow.

8. Fee Calculation (37 C.F.R. 1.16)

		CL	AIMS AS FILED		
	Number file	d	Number Extra	Rate	Basic Fee 37 C.F.R. 1.16(a) \$750.00
Total Claims (37 CFR 1.16(c))	10	- 20 =	0	\$ 18.00	
Independent Claims (37 CFR 1.16(b))	2	- 3 =	0	\$ 84.00	
Multiple dependent claim if any (37 CFR 1.16(d))			+	\$280.00	

☐ A Preliminary Amendment is enclosed. The filing fee is calculated based on
the status and number of claims remaining after entry of the Preliminary Amendment.
The state of the s

	Amendment	deleting	multiple-de	pendencies	is	enclosed
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 \square Fee for extra claims is not being paid at this time.

Filing Fee Calculation

\$ 750.00

9.	Small Entity Statement(s)
	Urrified Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and 1.27 is (are) attached.
	☐ Status as a small entity was claimed in prior application, filed on
	from which benefit is being claimed for this application under:
	35 U.S.C. □ 119(e),
	\square 120,
	□ _{121,}
	□ 365(c),
	and which status as a small entity is still proper and desired.
	☐ A copy of the verified statement in the prior application is included.
	Filing Fee Calculation (50% of A, B or C above)
	\$
10.	Fee Payment Being Made at This Time
	□ Not Enclosed
	No filing fee is to be paid at this time. (This and the surcharge required by 3 7 C. F.R. 1.16(e) can be paid subsequently.)
	⊠ Enclosed
	Basic filing fee \$ 750.00
	☑ Recording assignment
	(\$40.00; 37 C.F.R. 1.21(h))
	(See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".) \$_40.00
	<u> </u>
	Total fees enclosed \$_790.00
11.	Method of Payment of Fees
	☐ Checks in the amounts of \$_750.00, 40.00
	Charge Account No. 50-1798 in the amount of A duplicate of this transmittal is attached.

12. Auth rization to Charge Additional Fees

		ne Commissioner is hereby authorized to charge the following additional fees during the entire pendency this application to Account No. 50-1798.
		☑ 37 C.F.R. 1.16(a), (f) or (g) (filing fees)
	0	37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)
	(37 C.F.R. 1. 1 6(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
	[☐ 37 C.F.R. 1.17 (application processing fees)
	[☐ 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b))
13.	Inst	ructions as to Overpayment
	\boxtimes	Credit Account No. 50-1798
		Refund
		Respectfully submitted,
		Steven M. Mills On Street, Suite 605 Registration Number 36,610

Attorney for Applicants

Boston, MA 02108

Telephone: (617) 994-4900 Facsimile: (617) 742-7774

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Duk-ha Park, et al.

Filing Date:

Herewith

Title:

SEMICONDUCTOR MEMORY DEVICE HAVING IMPROVED

REDUNDANCY SCHEME

CERTIFICATE OF MAILING UNDER 37 C.F.R.§ 1.10

"Express Mail" Mailing Label Number EV322657755US I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

7-01-03

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

TRANSMITTAL LETTER

Sir:

Enclosed herewith for filing in the above-identified patent application please find the following listed items:

- 1. New Application Transmittal;
- 2. New Patent Application;
- 3. Executed Declaration, Petition and Power of Attorney;
- Three (3) Sheets of Formal Drawings (Figures 1-3); 4.
- Certified Copy of Priority Document Korean Application No. 02-54257; 5.
- 6. Check in the amount of \$750.00 to cover application filing fee;
- 7. Assignment Recordation Form Cover Sheet - - PTO-1595:
- 8. Executed Assignment;
- 9. Check in the amount of \$40.00 to cover Assignment recordation fee; and
- 10. Return Postcard.

In connection with the foregoing matter, please charge any additional fees which may be due, or credit any overpayment, to Deposit Account Number 50-1798. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted,

Mills & Onello LLP

Eleven Beacon Street, Suite 605

Boston, MA 02108

Telephone: (617) 994-4900 Facsimile: (617) 742-7774

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Steven M. Mills

Registration Number 36,610

Attorney for Applicants